

This listing of claims replaces all prior versions and listings of claims in the

6 application:

1. (AMENDED) A LCOS projection system, comprising:

a plurality of resonant microcavity anodes (RMAs), ~~each~~ for emitting a respective ~~wavelength~~ wavelengths of light;

12 a liquid crystal on silicon (LCOS) device for each of the plurality of resonant microcavity anodes, ~~wherein each of the LCOS devices~~ and for reflecting said respective wavelengths of light ~~emits an image~~;

a plurality of polarizing beam splitters for selectively reflecting passing through and redirecting ~~the said wavelengths of light and images~~ from the RMAs and the LCOS devices; and

18 a means for combining ~~the images~~ said wavelengths of light selectively passed through and redirected by said polarizing beam splitters ~~to provide a combined image~~.

2. (AMENDED) The LCOS projection system of claim 1, wherein the projection system further comprises a projection lens for projecting the ~~combined image~~ respective wavelengths of light from said means for combining.

24 3. The LCOS projection system of claim 1, wherein the means for combining comprises a crossed dichroic combiner.

4. The LCOS projection system of claim 1, wherein the means for combining comprises a color wavelength selector and a light path length compensator.

30 5. The LCOS projection system of claim 1, wherein each LCOS device comprises a combined LCOS microdisplay and quarter wave length plate.

6. The LCOS projection system of claim 1, wherein the plurality of resonant microcavity anodes are selected from the group of either "P" mode RMA devices or "S" mode RMA devices.

36

7. (AMENDED) A light valve projection system, comprising:

6 a plurality of resonant microcavity anodes (RMAs) ~~, each for emitting a respective wavelength~~ wavelengths of light;

a ~~an imager~~ reflector light valve device for each of the plurality of resonant microcavity anodes, ~~wherein each of the devices emits an image and for reflecting said wavelengths of light from said RMAs; and~~

12 a plurality of polarizing beam splitters for selectively reflecting passing through and redirecting said wavelengths of light from said reflector light valve devices and said ~~the light and images from the RMAs and the imager devices.~~

8. (AMENDED) The light valve projection system of claim 7, wherein the system further comprises a combiner for combining ~~the image from each of the imager devices~~ said wavelengths of lights selectively passed through and redirected by said polarizing beam
18 splitters.

9. (AMENDED) The light valve projection system of claim 7, wherein the ~~imager~~ light reflector valve device comprises a LCOS microdisplay.

10. (AMENDED) The light valve projection system of claim 8, wherein the system further
24 comprises a projection lens for receiving ~~a combined image~~ said wavelengths of light from out of the combiner.

11. The light valve projection system of claim 8, wherein the combiner is a crossed dichroic combiner.

30 12. (AMENDED) The light valve projection system of claim 8, wherein the combiner comprises a light pathlength compensator cube and a ~~ColorSelect~~ a polarizing filter system that selectively rotates polarization of one color relative to its compliment.

13. The light valve projection system of claim 7, wherein the system further comprises a light pathlength compensator cube.

36 14. (AMENDED) The light valve projection system of claim 13, wherein the system further

comprises a ~~ColorSelect~~ a polarizing filter system that selectively rotates polarization of one
6 color relative to its compliment.

15. The light valve projection system of claim 7, wherein the plurality of resonant microcavity anodes are selected from the group of either "P" mode RMA devices or "S" mode RMA devices.

12

16 – 21 Claims Cancelled